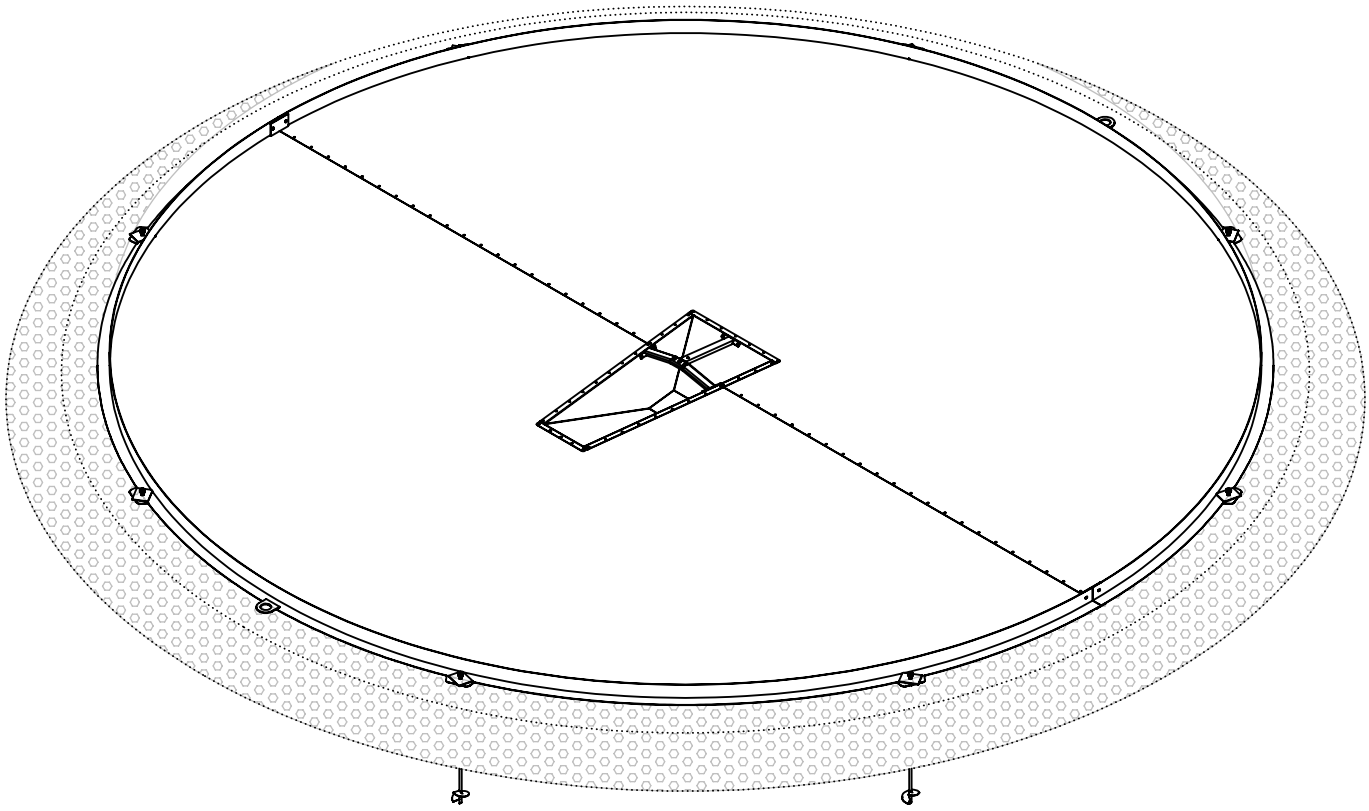
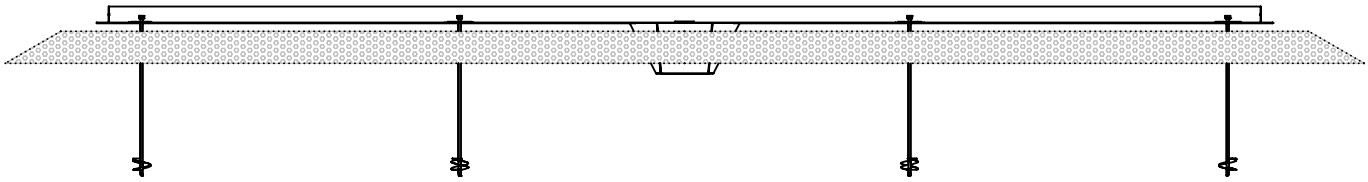
DARMANI

INSTALLATION MANUAL

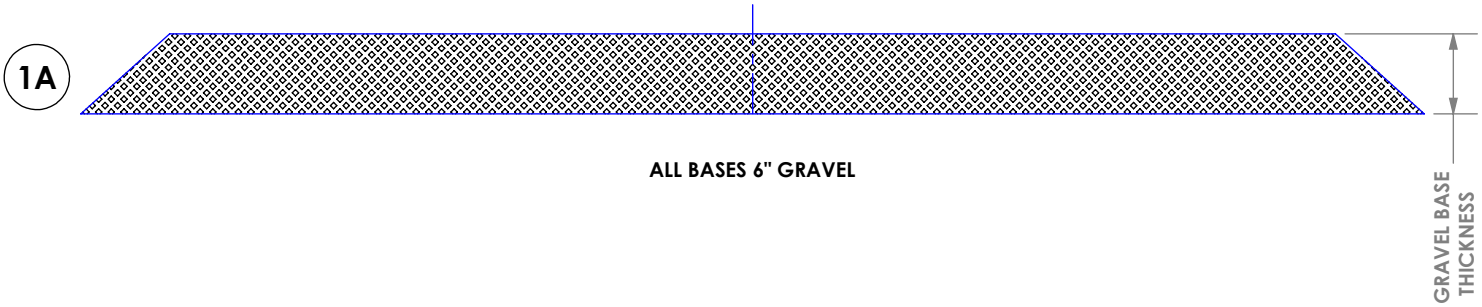
GRAVEL PAD, STEEL FLOOR AND PIT



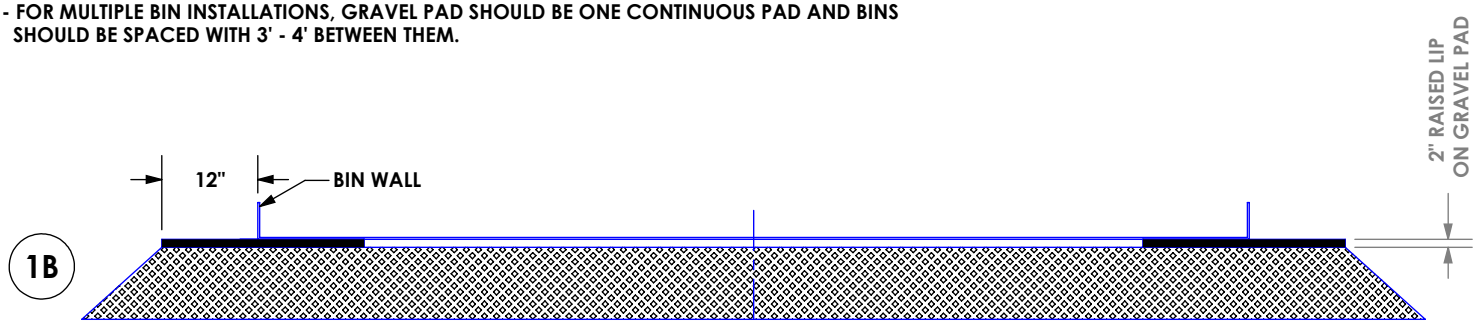


FOR 4" SIDEWALL MODELS

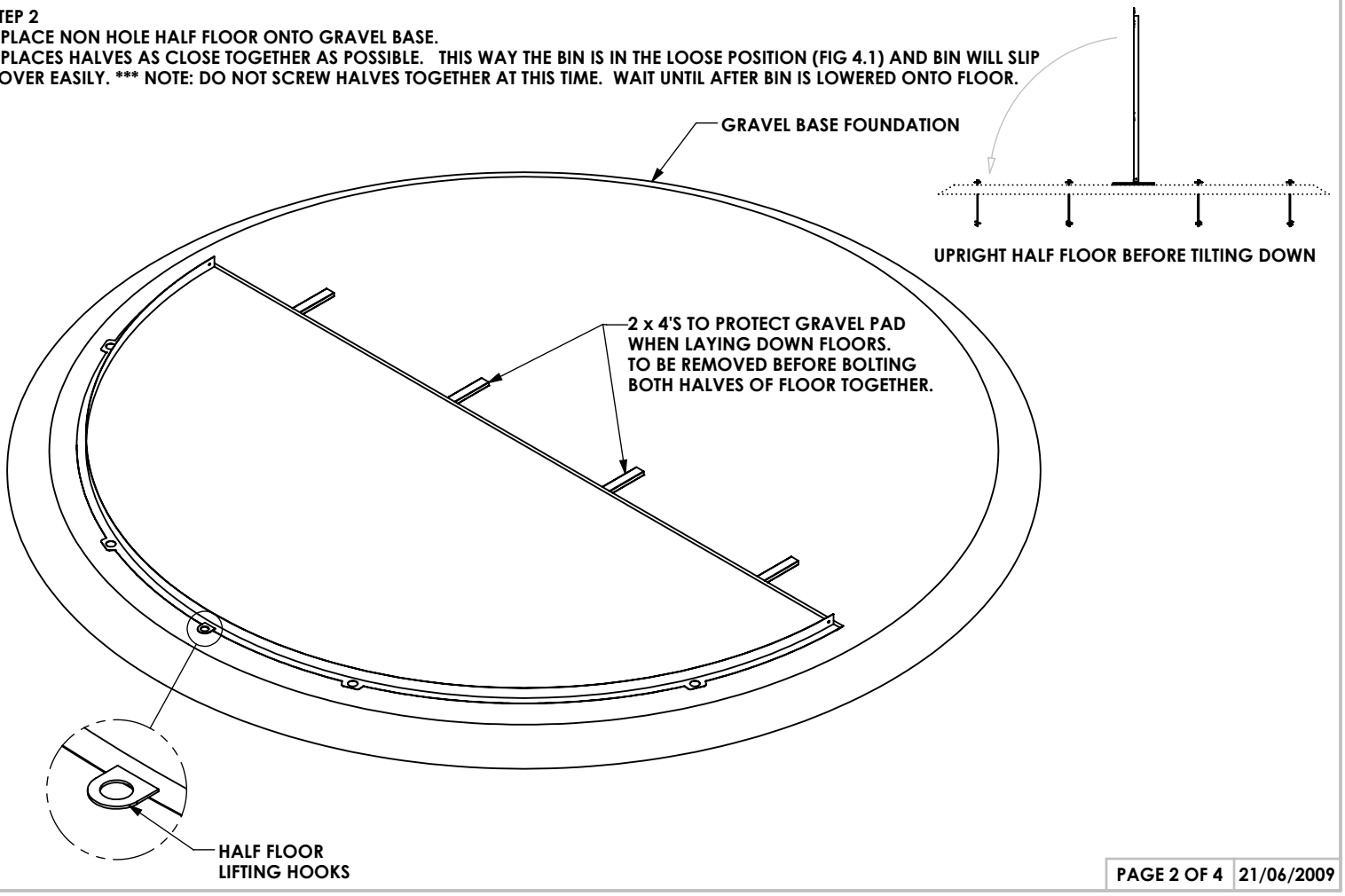
STEP 1A
- PREPARE GRAVEL FOUNDATION AS SHOWN. COARSE GRAVEL (3/4" Diameter) SHOULD BE USED.
- USE A LEVEL OR TRANSIT WHEN PREPARING BASE
- GRAVEL BASE SHOULD BE APPROX. 18" LARGER THAN BIN DIAMETER
  (EXAMPLE: 24' DIAMETER BIN WILL HAVE A 25 1/2' DIAMETER GRAVEL PAD)



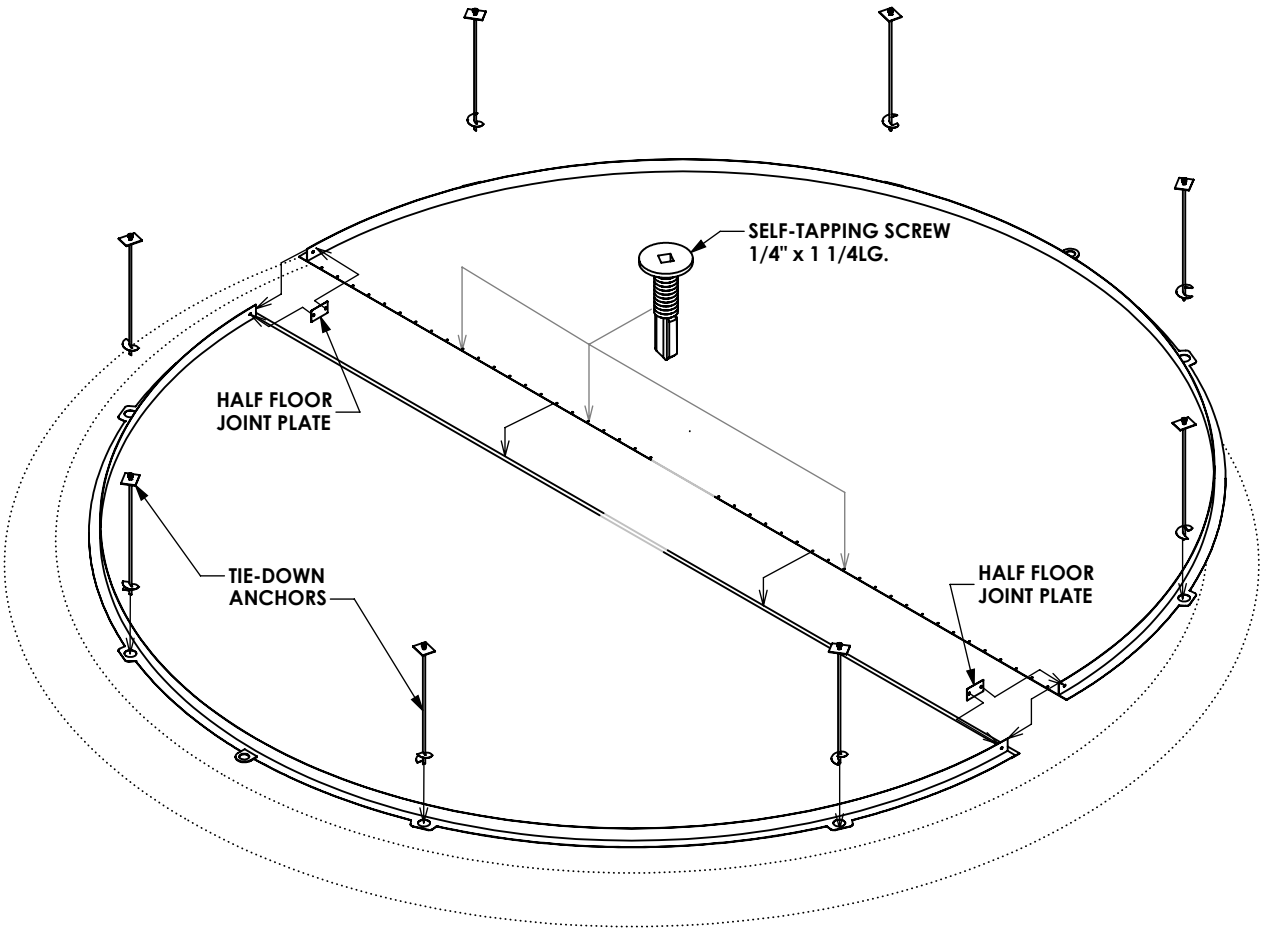
STEP 1B
- THE GRAVEL BASE SHOULD BE TAPERED SO THAT THE CENTER IS 2" LOWER THAN THE OUTSIDE OF THE BASE.
  THE PRESSURE OF THE GRAIN ON THE BIN WALL WILL CAUSE THE BIN TO SETTLE AROUND THE PERIMETER.
- FOR MULTIPLE BIN INSTALLATIONS, GRAVEL PAD SHOULD BE ONE CONTINUOUS PAD AND BINS
  SHOULD BE SPACED WITH 3' - 4' BETWEEN THEM.



STEP 2
- PLACE NON HOLE HALF FLOOR ONTO GRAVEL BASE.
- PLACES HALVES AS CLOSE TOGETHER AS POSSIBLE. THIS WAY THE BIN IS IN THE LOOSE POSITION (FIG 4.1) AND BIN WILL SLIP OVER EASILY. *** NOTE: DO NOT SCREW HALVES TOGETHER AT THIS TIME. WAIT UNTIL AFTER BIN IS LOWERED ONTO FLOOR.

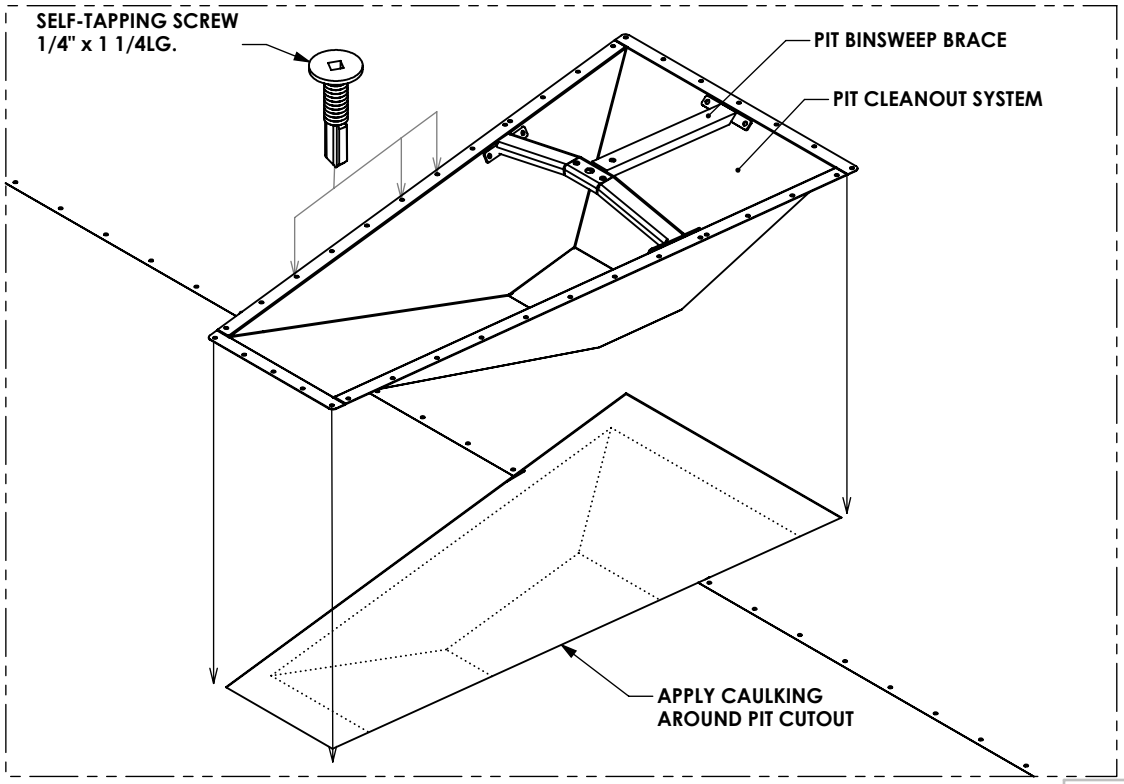

GRAVEL BASE FOUNDATION
UPRIGHT HALF FLOOR BEFORE TILTING DOWN
2 x 4'S TO PROTECT GRAVEL PAD
WHEN LAYING DOWN FLOORS.
TO BE REMOVED BEFORE BOLTING
BOTH HALVES OF FLOOR TOGETHER.
HALF FLOOR
LIFTING HOOKS

STEP 3



STEP 4 (OPTIONAL PIT INSTALLATION)

1. MEASURE CENTER OF FLOOR ALONG CENTER SEAM.
2. MARK HOLE AND CUT OUT FOR PIT WITH TORCH, GRINDER, PLASMA, ETC.
3. REMOVE GRAVEL AND DIRT FROM HOLE TO FIT PIT. NOTE: DO NOT MAKE PIT HOLE ANY DEEPER THAN PIT.
4. CAULK AND SCREW PIT IN PLACE WITH SELF TAPPING SCREWS.



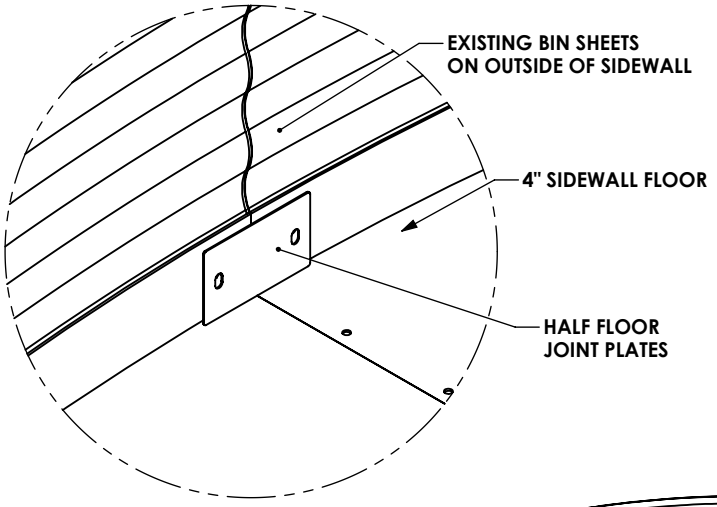
4" SIDEWALL MOUNTING FOR RETRO-FIT OR NEW BIN MOUNTING

STEP 1
- **TAKE OUT BOTTOM ROW OF BOLTS ON EXISTING BIN. REMOVE BOTTOM ANGLE IRON RING THAT ATTACHES BOTTOM SIDEWALL SHEETS TO EXISTING FLOOR**
- **WITH BIN CRANE OR OTHER LIFTING EQUIPMENT, POSITION BIN SO THAT THE BIN SIDEWALL SITS ON OUTSIDE OF 4" RING AND DIRECTLY ON FLOOR LI FLOOR IS NOW IN LOOSE POSITION. SEE FIG 4.1 (THIS WAY NO MOISTURE WILL ENTER INTO THE BIN)**

NOTE: NO SCREWS IN LOOSE POSITION.

STEP 2
- **WITH 2 BARS SPREAD THE 2 HALVES EVENLY SO SPACE IS EQUAL ON BOTH SIDES WHICH WILL ENSURE A PERFECT TIGHT SEAL ONTO THE BIN WALL. FLOOR IS NOW IN TIGHT POSITION. SEE FIG 4.2.**
- **SCREW IN 5/16" SELF TAPPING SCREWS (WITH MAGNETIC DRIVER) INTO THE BIN SIDEWALL.**
- **CLEAN OUT THE MIDDLE OF THE FLOOR WHERE THE TWO HALVES WILL BE SCREWED TOGETHER.**
- **PUT A BEAD OF CAULKING IN TO SEAL THE TWO HALVES.**
- **SCREW IN 1/4" FLAT HEAD SCREWS INTO THE PRE-DRILLED HOLES.**
- **FASTEN CENTER PLATES WITH SELF TAPPING SCREW AND CAULKING TO GET MOISTURE PROOF SEAL.**

NOTE: THERE IS NO NEED FOR STIFFENER EXTENSIONS OR DRILLING HOLES, AS MOUNTING WILL BE THE SAME AS IF IT WAS ON PREVIOUS WOOD OR CEMENT FLOORS.



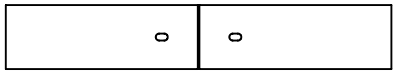


FIG 4.1 - LOOSE POSITION
**NO SCREWS IN THIS POSITION

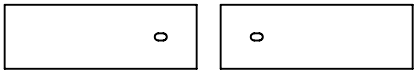


FIG 4.2 - SPREAD POSITION
*TIGHT AGAINST SIDE WALL OF BIN

DETAIL B
SCALE 1 : 8